

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application: In the listing of claims, claims 1 – 3, 8, 11, 12 – 14, 19, and 21 – 23 are amended, and claims 24 – 29 are added.

Claim 1. (Currently Amended) A transparency having a heatable wiper rest area comprising:

a rigid transparent sheet having a major surface and an area adjacent to a selected edge of the sheet designated as the heatable wiper rest area;

an opaque band positioned on selected marginal edge portions of the major surface of the sheet along at least a portion of the a-selected edge of the sheet at in a fixed relationship to the an expected wiper rest area; and

a wiper rest area-heating arrangement for heating the wiper rest area, the arrangement comprising:

an electrically conductive member positioned on the opaque band-on the sheet, the conductive member having a first side and an opposite second side with the first side adjacent the selected edge of the sheet and the conductive member extending along at least a portion of the selected edge of the sheet in a fixed relationship to at the expected wiper rest area;

a plurality of spaced bus bars positioned in electrical contact along the conductive member, wherein the plurality of bus bars divides the electrically conductive member into a plurality of adjacent discrete heatable areas;

a first lead to electrically interconnect selected ones of the plurality of bus bars at a position adjacent one of the sides designated as the connected side, and spaced from the other side, of the conductive member,

the first lead extending on the band along an edge of the coatingthe connected side of the conductive member;

a second lead to electrically interconnect other selected ones of the plurality of bus bars at a position adjacent the connected side, and spaced from the other side, of the conductive member, the second lead extending on the band along the connected side edge of the coatingconductive member, such that moving current through the first and second leads and bus bars moves current across selected ones of the discrete areas to heat the wiper rest area heats the discrete areas, wherein a portion of the first lead and a portion of the second lead overlay each other; and

an insulating member positioned between the portion of the first lead and the portion of the second lead that overlay each other to electrically insulate the portion of the first lead and from the portion of the second lead that overlay each other.

Claim 2. (Currently Amended) The transparency according to claim 1, wherein the connected side of the conductive member is the first side of the conductive member and the first and second leads extend between the first side edge of the conductive member and the selected edge of the sheet.

Claim 3. (Currently Amended) The transparency according to claim 2, wherein the transparency is an automotive transparency and the selected edge of the sheet as mounted in a vehicle is a lower edge of the sheet.

Claim 4. (Original) The transparency according to claim 1, wherein the conductive member is an electrically conductive coating.

Claim 5. (Original) The transparency according to claim 4, wherein the coating is a multilayered, silver containing coating.

Claim 6. (Original) The transparency of claim 4, wherein the coating is a first electrically conductive coating and further comprising a second electrically conductive coating positioned along at least a central portion of the major surface of sheet and electrically isolated from the first coating.

Claim 7. (Original) The transparency according to claim 1, further comprising first and second connectors electrically connected to the first and second leads, respectively, to provide external electrical access to the leads, bus bars and conductive member.

Claim 8. (Currently Amended) The transparency of claim 1, wherein the plurality of bus bars comprises includes at least three spaced bus bars defined as a first bus bar, a second bus bar and a third bus bar, with the second bus bar positioned between the first and third bus bars so as to define a first discrete heatable area between and electrically connecting the first and second bus bars and a second discrete heatable area between and electrically connecting the second and third bus bars, and further wherein the first lead electrically connects the first and third bus bars and the second lead electrically connects to the second bus bar such that moving current through the first and second leads and the bus bars moves current across the first and second discrete areas to heat heats the discrete areas.

Claim 9. (Original) The transparency according to claim 1, wherein the sheet is a glass sheet.

Claim 10. (Original) The transparency of claim 9, wherein the transparency is a automotive backlight.

Claim 11. (Currently Amended) The transparency according to claim 1, wherein the sheet is a first glass sheet, and further including a plastic interlayer and a second glass sheet wherein the interlayer secures the first and second glass sheets together with the conductive ~~heatable~~ member between one of the sheets and the interlayer.

Claim 12. (Currently Amended) A transparency having a heatable wiper rest area comprising:

a first glass sheet having an outer major surface and an inner major surface and an area of the outer surface of the first sheet adjacent to a selected edge of the first glass sheet designated as the heatable wiper rest area;

a second glass sheet having an outer major surface, and an inner major surface and a selected edge, wherein the inner major surface of the first glass sheet faces the inner major surface of the outer glass sheet;

an interlayer material securing the inner major surface of the first glass sheet to the inner major surface of the second glass sheet with the selected edge of the first sheet adjacent to the selected edge of the second glass sheet;

an opaque band positioned on the inner major surface of the first outer-glass sheet along at least a portion of the a selected edge of the first outer-glass sheet at the an expected wiper rest area; and

a wiper rest area heating arrangement for heating the wiper rest area, the arrangement comprising:

an electrically conductive member positioned on either the inner major surface or the outer major surface of the second glass sheet, the conductive member having a first side and an opposite second side with the first side of the conductive member adjacent the selected edge of the second sheet and extending along at least a portion

of the selected edge of the second glass sheet in a fixed relationship to at the expected wiper rest area;

a plurality of spaced bus bars positioned in electrical contact along the conductive member, wherein the plurality of bus bars divides the conductive member into a plurality of adjacent discrete heatable areas;

a first lead to electrically interconnect selected ones of the plurality of bus bars at a position adjacent the first side, and spaced from the second side, of the conductive member, the first lead extending along and spaced from the first side an edge of the conductive member;

a second lead to electrically interconnect other selected ones of the plurality of bus bars at a position adjacent the first side, and spaced from the second side, of the conductive member, the second lead extending leading extend along the first side edge of the conductive member, wherein a portion of the first lead and a portion of the second lead overlay each other; and

an insulating member positioned between the portion of the first lead and the portion of the second lead that overlay each other to electrically insulate the portion of the first lead from the portion of the second lead that overlay each other.

Claim 13. (Currently Amended) The transparency according to claim 12, wherein the conductive member is on the inner surface of the second glass sheet and the first and second leads extend between the first side edge of the conductive member and the selected edge of the second glass sheet.

Claim 14. (Currently Amended) The transparency according to claim 13, wherein the first and second sheets secured together by the interlayer

material is a laminate and the selected edge of the second glass sheet is a lower edge of the second glass sheet as the laminate is mounted.

Claim 15. (Original) The transparency according to claim 12, wherein the conductive member is an electrically conductive coating.

Claim 16. (Original) The transparency according to claim 15, wherein the coating is a multilayered, silver containing coating.

Claim 17. (Original) The transparency according to claim 15, wherein the coating is a first electrically conductive coating on the inner major surface of the second glass sheet and further comprising a second electrically conductive coating positioned along at least a central portion of the inner major surface of the second glass sheet and electrically isolated from the first coating.

Claim 18. (Original) The transparency according to claim 12, further comprising first and second connectors electrically connected to the first and second leads, respectively, to provide external electrical access to the leads, bus bars and coating.

Claim 19. (Currently Amended) The transparency according to claim 12, wherein the heating arrangement ~~heatable member~~ extends along the inner major surface of the second glass sheet.

Claim 20. (Original) The transparency according to claim 12, wherein the transparency is a windshield.

Claim 21. (Currently Amended) The transparency according to claim 12, wherein the plurality of bus bars include at least three spaced bus bars defined as a first bus bar, a second bus bar and a third bus bar, with the second bus bar positioned between the first and third bus bars so as to define

a first discrete heatable area between and electrically connecting the first and second bus bars and a second discrete heatable area between and electrically connecting the second and third bus bars, and further wherein the first lead electrically connects the first and third bus bars and the second lead electrically connected to the second bus bar such that moving current through the first and second leads and the bus bars moves current across the first and second discrete areas to heat heats the discrete areas.

Claim 22. (Currently Amended) A method of making a transparency having a heatable wiper rest area comprising:

providing a rigid transparent sheet having major surface;

applying an opaque band positioned on marginal edge portions of the major surface of the sheet along at least a portion of a selected edge of the sheet at an expected wiper rest area;

applying an electrically conductive member having a first side and an opposite second side positioned on the opaque band along at least a portion of the selected edge of the sheet with the first side of the conductive member adjacent to, and spaced from, the selected edge of the sheet and in a fixed relationship to at the expected wiper rest area;

positioning a plurality of spaced bus bars in electrical contact along the conductive member, wherein the plurality of bus bars divides the electrically conductive member into a plurality of adjacent discrete heatable areas;

positioning a first lead on the band and along the first side an edge of the coating to electrically interconnect selected ones of the plurality of bus bars;

positioning a second lead along the band and along the first side edge of the coating to electrically interconnect other selected ones of the plurality of bus bars, such that moving current through the first and second leads leads, and the bus bars moves current across the discrete areas to heat heats the

discrete areas, wherein a portion of the first lead and a portion of the second lead overlay each other; and

electrically insulating the portion of the first lead from the portion of the second lead that overlay each other.

Claim 23. (Currently Amended) The method according to claim 22, wherein the sheet is a first glass sheet, and further including securing a second glass sheet to the first glass sheet with a plastic interlayer positioned between the first glass sheet and the second glass sheet with the opaque band and the conductive member between the sheets.

Claim 24. (New) The method according to claim 23 wherein the transparency is a laminated transparency for a vehicle, the conductive member is a first conductive member, and the major surface of the first sheet faces a major surface of the second sheet, and further including the step of applying a second conductive member to a center portion of the inner surface of at least one of the first and second sheets with the first and second conductive members electrically isolated from one another.

Claim 25. (New) The transparency according to claim 1 wherein the sheet is a glass sheet, and the major surface of the sheet is a first major surface and further including an opposite second major surface with the heatable wiper rest area on the second major surface of the sheet, the opaque band is on the first major surface of the sheet in facing relationship to the heatable wiper rest area and the heating arrangement is in facing relationship to the opaque band with the opaque band between the heatable wiper rest area and the heating arrangement.

Claim 26. (New) The transparency according to claim 1 wherein the conductive member has a parallelepiped shape and the ends of the bus bar extend beyond adjacent side of the conductive member.

Claim 27. (New) The transparency according to claim 2 wherein the portion of the first lead overlays the portion of the second lead at a position between the selected edge and the first side of the conductive member.

Claim 28. (New) The transparency according to claim 15, wherein the coating is a first electrically conductive coating and further comprising a second electrically conductive coating, the first and second coatings are between the first and second sheets and electrically isolated from one another.

Claim 29. (New) The transparency according to claim 12 wherein the conductive member is on the inner surface of the first sheet and the portion of the first lead overlays the portion of the second lead at a position between the selected edge of the first glass sheet and the first side of the conductive member.